

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 2004/000034

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C03C 3/32, C03C 3/253, C03C 3/14, C03C 4/20  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5455211 A (PAUL F. MCMILLAN ET AL), 3 October 1995 (03.10.1995), Example 10 --	1-3,6-8
X	US 6242132 B1 (BERND J. NEUDECKER ET AL), 5 June 2001 (05.06.2001), Table 1 --	1-3,5,6
X	US 4304602 A (RAJA R. WUSIRIKA), 8 December 1981 (08.12.1981), column 3, line 31 - line 53 --	10,11

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 5 April 2004	Date of mailing of the international search report 19 -04- 2004
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Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Linda Melin/MP Telephone No. +46 8 782 25 00
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International application No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	International Journal of Inorganic Materials, Vol.3, 2001 Wolfgang Schnick, "Nitridosilicates, oxonitridosilicates (sions), and oxonitridoaluminosilicates (sialons) New materials with promising properties"; page 1267-1272. --	1-9
A	GB 1489342 A (JOSEPH LUCAS LIMITED), 19 October 1977 (19.10.1977), page 4, line 19, Table --	1-9
A	WO 0134530 A1 (CORNING INCORPORATED), 17 May 2001 (17.05.2001), Table 3 --	1-9
P,A	Solid State Sciences, Vol 5, 2003, Saeid Esmailzadeh et al, "Synthesis and structural investigations of La <sub>13</sub> Si <sub>18</sub> Al <sub>12</sub> O <sub>15</sub> N <sub>39</sub> "; Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a> , page 503-508 --	1-11
P,A	Journal of materials science, Vol 38, 2003, Y Zhang et al. "Grain Boundary devitrification of Ca a-sialon ceramics and its relation with the fracture toughness". page 1359-1364 -- -----	1-9

## INTERNATIONAL SEARCH REPORT

Information on patent family members

27/02/2004

International application No.

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US	5455211	A	03/10/1995	US	5518970	A	21/05/1996
US	6242132	B1	05/06/2001	AU	7145998	A	11/11/1998
				WO	9847196	A	22/10/1998
US	4304602	A	08/12/1981	NONE			
GB	1489342	A	19/10/1977	AT	367008	B	25/05/1982
				AT	1039574	A	15/10/1981
				AU	7646974	A	17/06/1976
				BE	823934	A	16/04/1975
				CA	1036185	A	08/08/1978
				CH	622484	A	15/04/1981
				DE	2461741	A,C	03/07/1975
				DK	155592	B,C	24/04/1989
				DK	659874	A	08/09/1975
				FR	2256123	A,B	25/07/1975
				IT	1026182	B	20/09/1978
				JP	1279141	C	29/08/1985
				JP	50132018	A	18/10/1975
				JP	57037556	B	10/08/1982
				NL	7416979	A	01/07/1975
				SE	407402	B,C	26/03/1979
				SE	7416276	A	30/06/1975
				SU	1333230	A	23/08/1987
				US	3989782	A	02/11/1976
WO	0134530	A1	17/05/2001	AU	1432201	A	06/06/2001
				CA	2391202	A	17/05/2001
				EP	1232125	A	21/08/2002
				JP	2003513875	T	15/04/2003
				US	6408125	B	18/06/2002
				US	6449420	B	10/09/2002
				US	2002106174	A	08/08/2002